



west virginia department of environmental protection

Office of Oil and Gas
601 57th Street SE
Charleston, WV 25304
(304) 926-0450
(304) 926-0452 fax

Earl Ray Tomblin, Governor
Randy C. Huffman, Cabinet Secretary
www.dep.wv.gov

June 07, 2013

WELL WORK PERMIT

Re-Work

This permit, API Well Number: 47-10300220, issued to COLUMBIA GAS TRANSMISSION, LLC, is evidence of permission granted to perform the specified well work at the location described on the attached pages and located on the attached plat, subject to the provisions of Chapter 22 of the West Virginia Code of 1931, as amended, and all rules and regulations promulgated thereunder, and to all conditions and provisions outlined in the pages attached hereto. Notification shall be given by the operator to the Oil and Gas Inspector at least 24 hours prior to the construction of roads, locations, and/or pits for any permitted work. In addition, the well operator shall notify the same inspector 24 hours before any actual well work is commenced and prior to running and cementing casing. Spills or emergency discharges must be promptly reported by the operator to 1-800-642-3074 and to the Oil and Gas inspector.

Please be advised that form WR-35, Well Operators Report of Well Work is to be submitted to this office within 90 days completion of permitted well work, as should form WR-34 Discharge Monitoring Report within 30 days of discharge of pits, if applicable. Failure to abide by all statutory and regulatory provisions governing all duties and operations hereunder may result in suspension or revocation of this permit and, in addition, may result in civil and/or criminal penalties being imposed upon the operators.

In addition to the applicable requirements of this permit, and the statutes and rules governing oil and gas activity in WV, this permit may contain specific conditions which must be followed. Permit conditions are attached to this cover letter.

Per 35CSR-4-5.2.g this permit will expire in two (2) years from the issue date unless permitted well work is commenced. If there are any questions, please feel free to contact me at (304) 926-0499 ext. 1654.



James Martin
Chief

Operator's Well No: VICTORY A 4386
Farm Name: MCMAHON, AUGUSTUS III
API Well Number: 47-10300220
Permit Type: Re-Work
Date Issued: 06/07/2013

Promoting a healthy environment.

WW - 2B
(Rev. 8/10)

STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS
WELL WORK PERMIT APPLICATION

1) Well Operator: Columbia Gas Transmission, LLC 307032 Wetzel Proctor Wileyville
Operator ID County District Quadrangle

2) Operator's Well Number: Victory A 4386 (existing well) 3) Elevation: 1110

4) Well Type: (a) Oil _____ or Gas X _____
(b) If Gas: Production _____ / Underground Storage X _____
Deep _____ / Shallow X _____

5) Proposed Target Formation(s): Maxton Proposed Target Depth: 1876 (actual)

6) Proposed Total Depth: 1922 (actual) Feet Formation at Proposed Total Depth: Maxton

7) Approximate fresh water strata depths: 885 ft (as rpt'd by driller)

8) Approximate salt water depths: 1676 ft (as rpt'd by driller)

9) Approximate coal seam depths: Pittsburgh 885 - 894 ft, Freeport 1458 - 1465 ft (as rpt'd by driller)

10) Approximate void depths, (coal, Karst, other): none rpt'd by driller

11) Does land contain coal seams tributary to active mine? yes

12) Describe proposed well work and fracturing methods in detail (attach additional sheets if needed)

Kill well. E-log. Repair/replace existing 7" casing, or install new production casing, if deemed necessary (based on results of pipe inspection e-log). Install new API wellhead. Acid treatment.

13) CASING AND TUBING PROGRAM

TYPE	SPECIFICATIONS			FOOTAGE	INTERVALS	CEMENT
	Size	Grade	Weight per ft	For Drilling	Left in Well	Fill -up (Cu. Ft.)
Conductor						
Fresh Water	10-3/4			254	254	no record
Coal	8-5/8	J-55	24	945	945	250 sx
Intermediate						
Production	7	H-40	17	1873	1873	yes - no record of volume
Tubing						
Liners						

Packers: Kind: none

Sizes: _____

Depths Set * note that casing/tubing listed above is existing

Dmit
5-1-13

Received
MAY 13 2013
Office of Oil and Gas
WV Dept. of Environmental Protection

WEST VIRGINIA DEPARTMENT OF MINES																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
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Received
MAY 15 2013
Office of Oil and Gas
WV Dept. of Environmental Protection

10300220

WW-2A
(Rev. 6-07)

1.) Date: 2/22/13
2.) Operator's Well Number Victory A 4386 (existing well)
State County Permit
3.) API Well No.: 47-103-00220W

STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS
NOTICE AND APPLICATION FOR A WELL WORK PERMIT

check#
5112913
\$650.00

4) Surface Owner(s) to be served:

(a) Name Augustus McMahon, III
Address 208 Mountain Brook Rd
Sylvia, NC 28779-7207

(b) Name
Address

(c) Name
Address

6) Inspector Derek Haught
Address PO Box 85
Smithville, WV 26178
Telephone 304-206-7613

5) (a) Coal Operator

Name McElroy Mining Co (subsidiary of Consolidation Coal Company)
Address

(b) Coal Owner(s) with Declaration
Name Consolidation Coal Company
Address CNX River Operations
RD #4 Box 425 Moundsville, WV 26041

Name
Address

(c) Coal Lessee with Declaration
Name
Address

TO THE PERSONS NAMED ABOVE TAKE NOTICE THAT:

 Included is the lease or leases or other continuing contract or contracts by which I hold the right to extract oil and gas

OR
x Included is the information required by Chapter 22, Article 6, Section 8(d) of the Code of West Virginia (see page 2)

I certify that as required under Chapter 22-6 of the West Virginia Code I have served copies of this notice and application, a location plat, and accompanying documents pages 1 through on the above named parties by:

 Personal Service (Affidavit attached)
x Certified Mail (Postmarked postal receipt attached)
 Publication (Notice of Publication attached)

I have read and understand Chapter 22-6 and 35 CSR 4, and I agree to the terms and conditions of any permit issued under this application.

I certify under penalty of law that I have personally examined and am familiar with the information submitted on this application form and all attachments, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate and complete.

I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

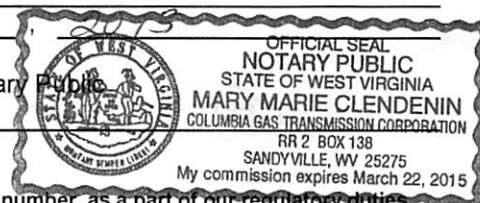
Well Operator Columbia Gas Transmission, LLC
By: James E. Amos
Its: Senior Engineer
Address 48 Columbia Gas Rd
Sandyville, WV 25275
Telephone 304-373-2412

Subscribed and sworn before me this 23rd day of April

Mary Marie Clendenin

My Commission Expires 3/22/2015

Notary Public



The Office of Oil and Gas processes your personal information, such as name, address and phone number, as a part of our regulatory duties. Your personal information may be disclosed to other State agencies or third parties in the normal course of business or as needed to comply with statutory or regulatory requirements, including Freedom of Information Act requests. Our office will appropriately secure your personal information. If you have any questions about our use of your personal information, please contact DEP's Chief Privacy Officer at depprivacyofficer@wv.gov

MAY 13 2013

COAL OPERATOR, OWNER, OR LESSEE WAIVER

County WetzelOperator Columbia Gas Transmission, LLCOperator's Well Number Victory A 4386 (existing well)WV Department of
Environmental Protection

INSTRUCTIONS TO COAL OPERATOR, OWNER, OR LESSEE

To the coal operator, owner, or lessee named on page WW2-A. You are hereby notified that any objection you wish to make or are required to make by WV Code 22-6-15, 16 or 17, must be filed with the Chief of the Office of Oil and Gas within fifteen (15) days after the receipt of this application by the Office. Mail objections to:

Chief, Office of Oil and Gas
Department of Environmental Protection
601 57th St. SE
Charleston, WV 25304
(304) 926-0499 extension 1654

WAIVER

The undersigned coal operator X / owner X / lessee _____ / of the coal under this well location has examined this proposed well location. If a mine map exists which covers the area of well location, the well location has been added to the mine map. The undersigned has no objection to the work proposed to be done at this location, provided, the well operator has complied with all applicable requirements of the West Virginia Code and the governing regulations.

FOR EXECUTION BY A NATURAL PERSON

Signature

Date _____

FOR EXECUTION BY A CORPORATION, ETC.

Company
NameBy
ItsConsol Energy/McElroy Coal Co
Columbia Gas Transmission, LLCPaul Amick - Designated Agent
J. Eric Shereda
Manager of Engineering

Date

Signature

Date

5-13-2013

WW-2B1
(5-12)

Well No. Victory A 4386 (existing well)

West Virginia Department of Environmental Protection
Office of Oil and Gas

NOTICE TO SURFACE OWNERS

The well operator named below is preparing to file for a permit from the state to drill a new well. Before a well work permit can be filed with the Chief of the Office of Oil and Gas, the well operator is required to have given notice of the right to request water well or spring analytical testing. This notice shall be given to the owners or occupants of land which have a water well or spring being utilized for human consumption, domestic animals, or other general use and which is located within 1000 feet of the proposed well site.

With this form, the operator is giving you notice of your right to request analytical testing. The operator is required to sample and analyze the water wells or springs of all owners or occupants who request it. Therefore, if you wish to have your water well or spring tested, contact the operator named below.

All sampling shall be completed prior to drilling. Within thirty (30) days of the receipt of such sample analyses the operator shall submit the results to the Chief of the Office of Oil and Gas and to the owners or occupants who may have requested them.

Be advised, you have the right to sample and analyze any water supply at your own expense.

Listed below is the laboratory chosen by operator to perform analysis, and contactor chosen to collect sample.

Certified Laboratory Name * Not applicable - existing underground natural gas storage well.
Sampling Contractor _____

Well Operator Columbia Gas Transmission, LLC
Address _____

Telephone _____

FOR OPERATOR'S USE ONLY: Below, or on an attached page, list those persons which were given this notice. Place an asterisk beside the one(s) that contacted you and requested sampling and analyses. If there were no requests made, indicate by underling which one you have selected to sample and analyze. If there are no water wells or springs within 1000 feet of the proposed site, the Chief may require the operator to test wells up to 2000 feet from the proposed site.

Received
MAY 15 2013
West Virginia Department of Environmental Protection
Office of Oil and Gas

WW-2A1
(Rev. 1/11)

Operator's Well Number Victory A 4386 (existing well)

**INFORMATION SUPPLIED UNDER WEST VIRGINIA CODE
Chapter 22, Article 6, Section 8(d)
IN LIEU OF FILING LEASE(S) AND OTHER CONTINUING CONTRACT(S)**

Under the oath required to make the verification on page 1 of this Notice and Application, I depose and say that I am the person who signed the Notice and Application for the Applicant, and that –

- (1) the tract of land is the same tract described in this Application, partly or wholly depicted in the accompanying plat, and described in the Construction and Reclamation Plan;
- (2) the parties and recordation data (if recorded) for lease(s) or other continuing contract(s) by which the Applicant claims the right to extract, produce or market the oil or gas are as follows:

Grantor, Lessor, etc.	Grantee, Lessee, etc.	Royalty	Book/Page
Sadie M. Rush, et al	Columbia Gas Transmission, LLC	Storage Lease 31954222	63 / 517

Received
Office of Oil & Gas

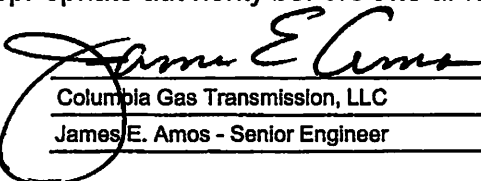
**Acknowledgement of Possible Permitting/Approval
In Addition to the Office of Oil and Gas**

The permit applicant for the proposed well work addressed in this application hereby acknowledges the possibility of the need for permits and/or approvals from local, state, or federal entities in addition to the DEP, Office of Oil and Gas, including but not limited to the following:

- WV Division of Water and Waste Management
- WV Division of Natural Resources
- WV Division of Highways
- U.S. Army Corps of Engineers
- U.S. Fish and Wildlife Service
- County Floodplain Coordinator

The applicant further acknowledges that any Office of Oil and Gas permit in no way overrides, replaces, or nullifies the need for other permits/approvals that may be necessary and further affirms that all needed permits/approvals should be acquired from the appropriate authority before the affected activity is initiated.

Well Operator:
By: Its:

 6/4/13
Columbia Gas Transmission, LLC
James E. Amos - Senior Engineer

10300 220 R

WW-9
Rev. 5/10

Page _____ of _____
API Number 47 - 103 - 00220W
Operator's Well No. Victory A 4386 (existing well)

STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
OFFICE OF OIL AND GAS

CONSTRUCTION AND RECLAMATION PLAN AND SITE REGISTRATION APPLICATION FORM
GENERAL PERMIT FOR OIL AND GAS PIT WASTE DISCHARGE

Operator Name Columbia Gas Transmission, LLC OP Code 307032

Watershed Lynn Camp Quadrangle Wileyville

Elevation 1110 County Wetzel District Proctor

Description of anticipated Pit Waste: no earthen pit to be utilized (all recovered fluids to be captured in tanks)

Do you anticipate using more than 5,000 bbls of water to complete the proposed well work? Yes _____ No X

Will a synthetic liner be used in the pit? N/A. If so, what mil.? _____

Proposed Disposal Method For Treated Pit Wastes:

- ☐ Land Application
☒ Underground Injection (UIC Permit Number 34-167-2-9395 (WVOG); 34-167-2-3862 (HWR-Nichols well))
☐ Reuse (at API Number _____)
☐ Off Site Disposal (Supply form WW-9 for disposal location)
☒ Other (Explain additional UIC wells: 34-121-2-3995 (Hunter-Warren well); 34-121-2-4086 (Hunter-Travis well))

Drilling medium anticipated for this well? Air, freshwater, oil based, etc. no drilling planned

-If oil based, what type? Synthetic, petroleum, etc. _____

Additives to be used? NA

Will closed loop system be used ? yes

Drill cuttings disposal method? Leave in pit, landfill, removed offsite, etc. N/A - no drilling planned

-If left in pit and plan to solidify what medium will be used? Cement, lime, sawdust _____

-Landfill or offsite name/permit number? _____

I certify that I understand and agree to the terms and conditions of the GENERAL WATER POLLUTION PERMIT issued on August 1, 2005, by the Office of Oil and Gas of the West Virginia Department of Environmental Protection. I understand that the provisions of the permit are enforceable by law. Violations of any term or condition of the general permit and/or other applicable law or regulation can lead to enforcement action.

I certify under penalty of law that I have personally examined and am familiar with the information submitted on this application form and all attachments thereto and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine or imprisonment.

Company Official Signature James E. Amos

Company Official (Typed Name) James E. Amos

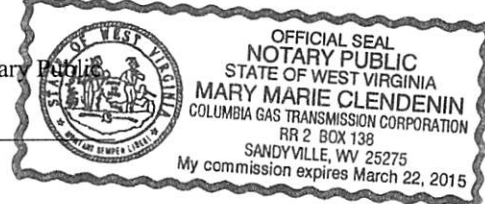
Company Official Title Senior Engineer

Subscribed and sworn before me this 23rd day of April, 20 13

Mary Marie Clendenin

My commission expires 3/22/2015

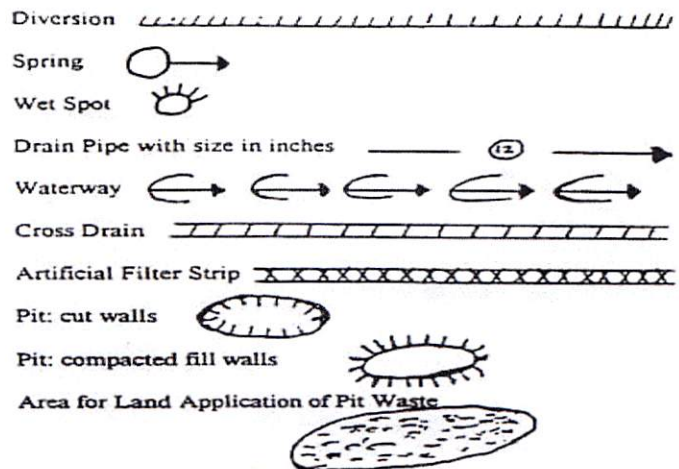
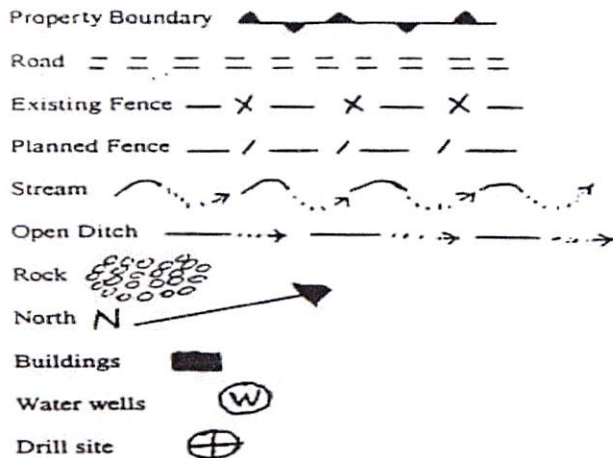
Notary Public



MAILED
MAY 15 2013
Office of Oil and Gas
WV Dept. of Environmental Protection

10300220R

LEGEND



Proposed Revegetation Treatment: Acres Disturbed < 1 acre Prevegetation pH 5 - 6

Lime 2 Tons/acre or to correct to pH 6.5

Fertilizer (10-20-20 or equivalent) 500 lbs/acre (500 lbs minimum)

Mulch 2 Tons/acre

Seed Mixtures

Seed Type	Area I lbs/acre
Orchard Grass	20
Ledino Clover	10
Annual Rye	20

Seed Type	Area II lbs/acre
Orchard Grass	20
Ledino Clover	10
Annual Rye	20

Attach:

Drawing(s) of road, location, pit and proposed area for land application.

Photocopied section of involved 7.5' topographic sheet.

Plan Approved by: [Signature]

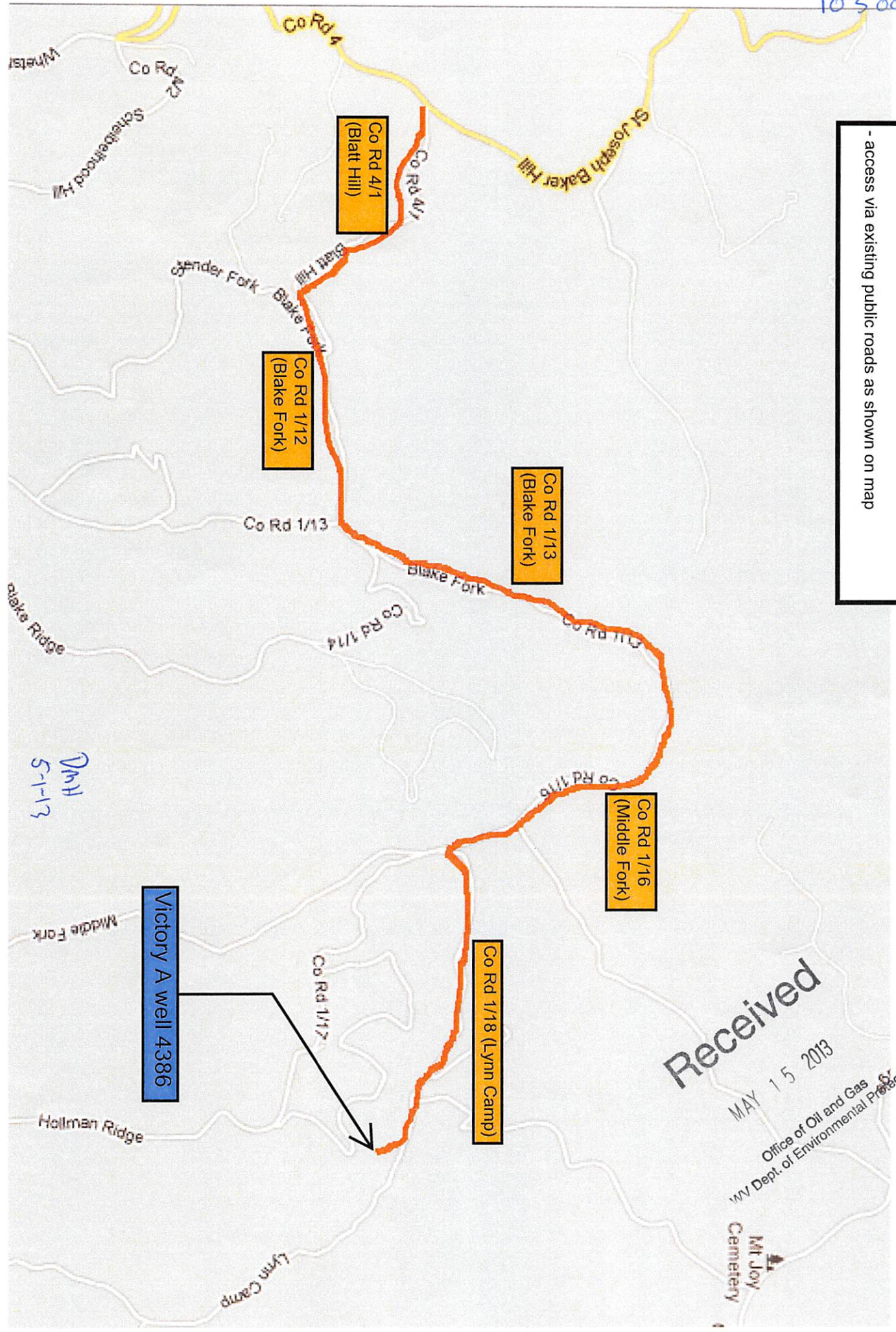
Comments: _____

Title: Oil + Gas Inspector Date: 5-1-13

Field Reviewed? (☒) Yes (☐) No

Received
MAY 15 2013
Office of Oil and Gas
WV Dept. of Environmental Protection

RECLAMATION PLAN 1 of 2 - Access to Well Site
- access via existing public roads as shown on map

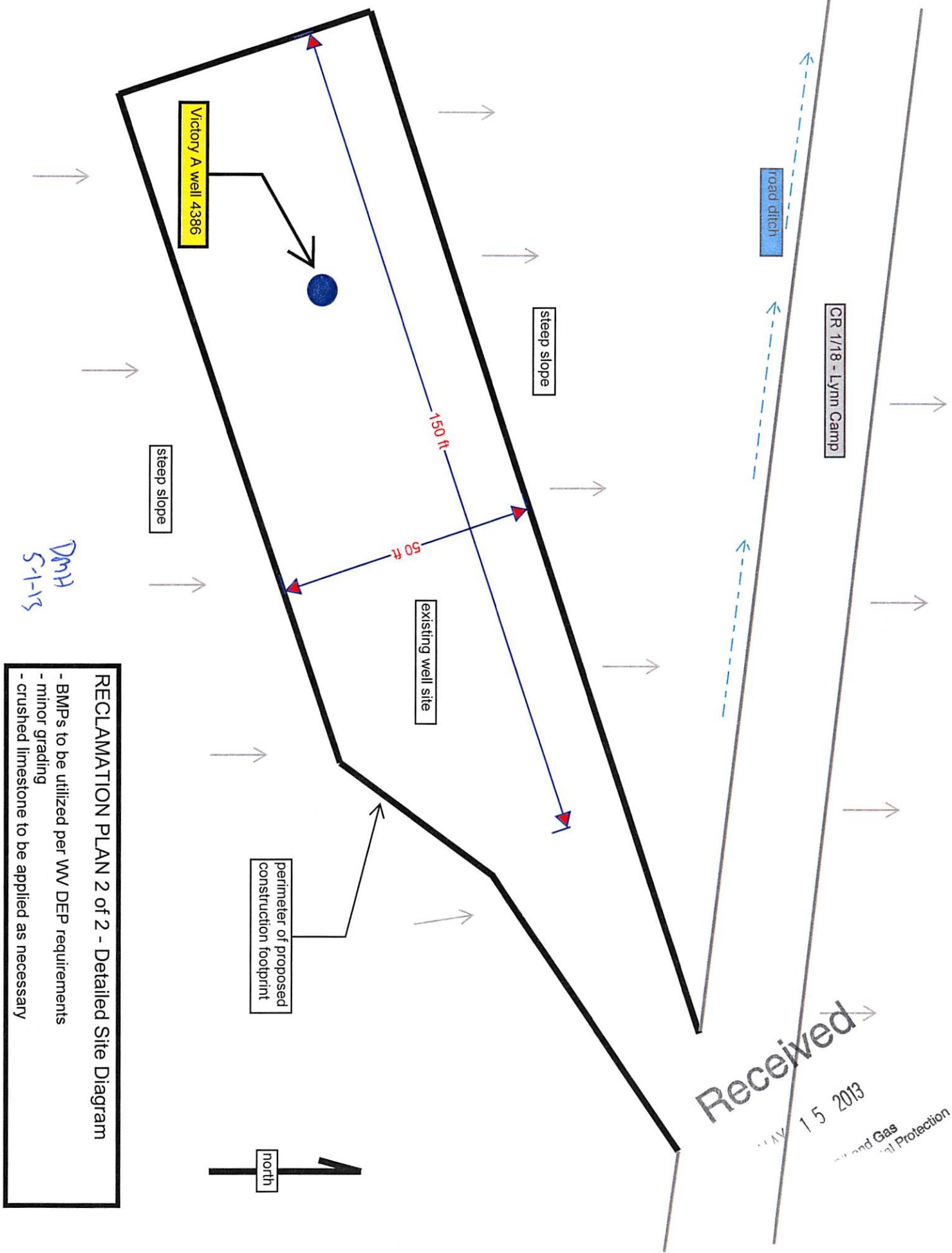


Received
MAY 15 2013

Office of Oil and Gas
WV Dept. of Environmental Protection
Mt Joy Cemetery

2mH
5-1-13

10300220 R



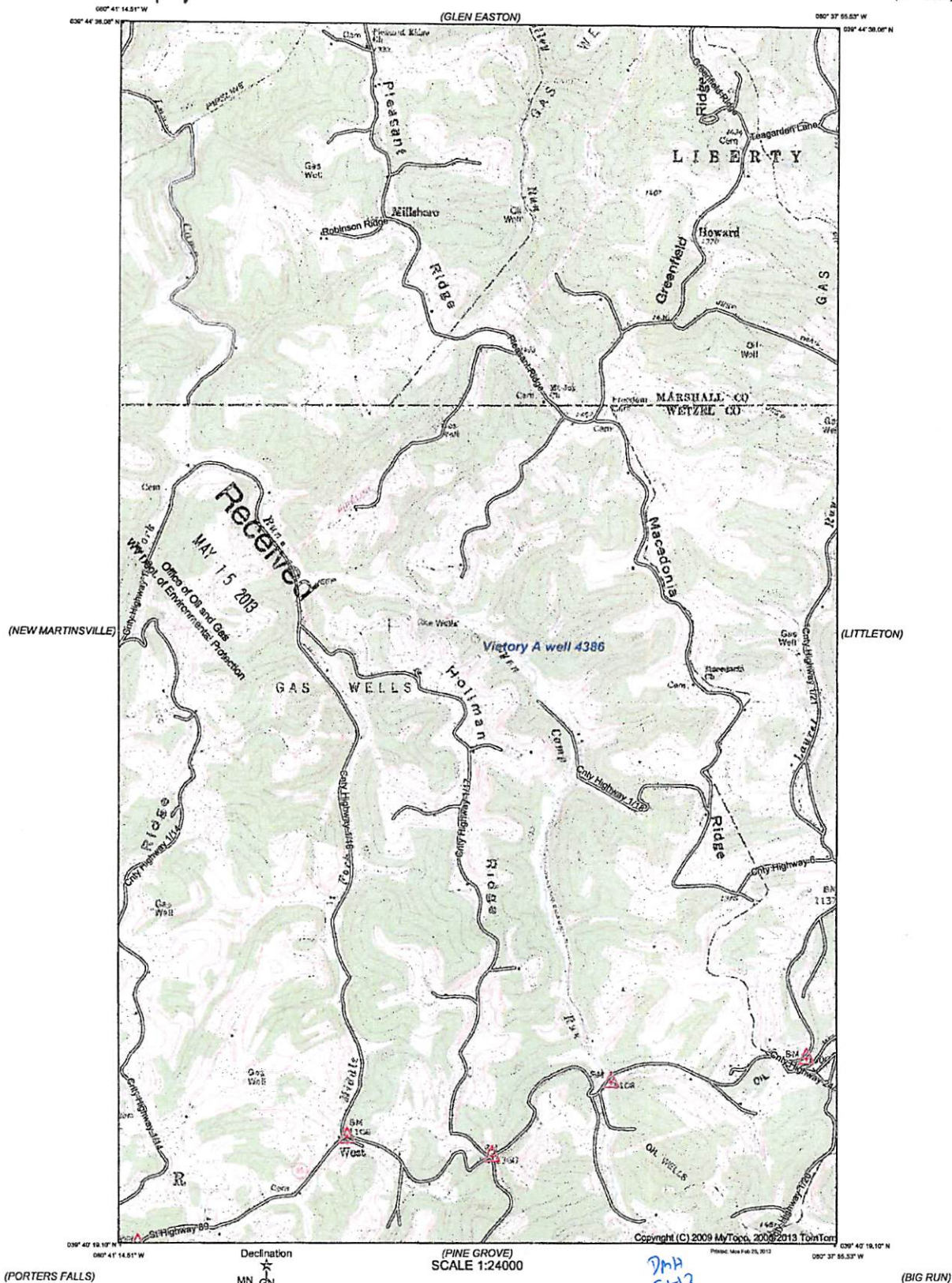
DmH
5-1-13

RECLAMATION PLAN 2 of 2 - Detailed Site Diagram

- BMPs to be utilized per WV DEP requirements
- minor grading
- crushed limestone to be applied as necessary



(CAMERON)



Produced by MyTopo Terrain Navigator
Topography based on USGS 1:24,000 Maps
North American 1983 Datum (NAD83)
Polyconic Projection
To place on the predicted North American 1927 move the
projection lines 0M N and 16M E

Declination

MN \uparrow GN

GN 0.22° E
MN 8.60° W

(PINE GROVE)
SCALE 1:24000

MIL

100

TABLE 1

CONTOUR INTERVAL 20 FEET
NATIONAL GEODETIC VERTICAL DATUM 1929

WILEYVILLE, WV
1960

10300220R

LAT.=39°42'28.36"
LONG.=80°39'35.61"

UTM METERS (NAD83)
N-4395390.54
E-529154.81

7.5 LOC.

LATITUDE 39 42'30"

MASON DIXON FARMS, LLC
D.B. 399 PG. 242
T.M. 5 PAR. 8

ROBERT VRANCKEN
D.B. 393 PG. 619
T.M. 5 PAR. 9

MASON DIXON FARMS, LLC
D.B. 399 PG. 242
T.M. 5 PAR. 12

TAX MAP 5 PARCEL 13

AUGUSTUS R MCMAHON, III
D.B. 369 PG. 678

TAX MAP 5 PARCEL 16

TAX MAP 5 PARCEL 17

LAWRENCE TREB
D.B. 405 PG. 651
T.M. 5 PAR. 14

WELL #4386

LYNN CAMP RUN

WELL ROAD

S 51°30' E
567'
S 37° W
285'
N 44°33' W
556'

TAX MAP 5
PARCEL 15

LAWRENCE TREB
D.B. 405 PG. 651
T.M. 5 PAR. 21

ROBERT VRANCKEN
W.B. 3 PG. 71
T.M. 5 PAR. 22

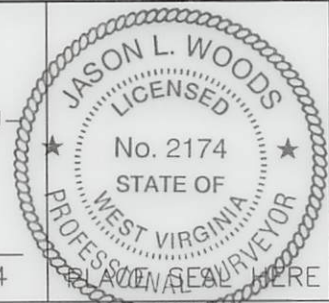
ROBERT VRANCKEN
W.B. 3 PG. 71
T.M. 5 PAR. 23

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS

FILE No 13-100-016
DRAWING No. 13-100-016
SCALE 1"=500'
MINIMUM DEGREE OF
ACCURACY 1:200
PROVEN SOURCE OF
ELEVATION TRIMBLE PRO XH
GPS UNIT

I THE UNDERSIGNED, HEREBY CERTIFY THAT
THIS PLAT IS CORRECT TO THE BEST OF MY
KNOWLEDGE AND BELIEF AND SHOWS ALL THE
INFORMATION REQUIRED BY LAW AND THE REGU-
LATIONS ISSUED AND PRESCRIBED BY THE
DIVISION OF ENVIRONMENTAL PROTECTION.

(SIGNED) Jason L. Woods 2-13-13
JASON L. WOODS PS #2174



STATE OF WEST VIRGINIA
DIVISION OF ENVIRONMENTAL PROTECTION
OFFICE OF OIL AND GAS



DATE FEBRUARY 22 20 13
OPERATOR'S WELL No. 4386
API WELL No.

NITRO, WV
WELL TYPE: OIL ☐ GAS ☒ LIQUID INJECTION ☐ WASTE DISPOSAL ☐
(IF "GAS") PRODUCTION ☐ STORAGE ☒ DEEP ☐ SHALLOW ☐
LOCATION: ELEVATION 1110 WATER SHED LYNN CAMP
DISTRICT PROCTOR COUNTY WETZEL
QUADRANGLE WILEYVILLE
SURFACE OWNER AUGUSTUS MCMAHON, III ACREAGE 15
OIL & GAS ROYALTY OWNER SADIE M. RUSH, ETAL LEASE ACREAGE 53
LEASE No. 31954222
PROPOSED WORK: DRILL ☐ CONVERT ☐ DRILL DEEPER ☐ REDRILL ☐ FRACTURE OR
STIMULATE ☒ PLUG OFF OLD FORMATION ☐ PERFORATE NEW
FORMATION ☐ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) ACIDIZE
PLUG AND ABANDON ☐ CLEAN OUT AND REPLUG ☐
TARGET FORMATION MAXTON ESTIMATED DEPTH 1930
WELL OPERATOR COLUMBIA GAS TRANSMISSION, LLC DESIGNATED AGENT PAUL AMICK
ADDRESS PO BOX 1273, CHARLESTON, WV ADDRESS P.O. BOX 1273, CHARLESTON W.V.
25325-1273 25325-1273

FORM IV-6 (8-78)

WW-2A1
(Rev. 1/11)

Operator's Well Number Victory A 4386 (existing well)

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[Handwritten signature]

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